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11-26-01  
**PATENT APPLICATION TRANSMITTAL**



Atty. Docket No. SIC-00-001-4  
"Express Mail" Label No. ET 101634909 US  
Date of Deposit November 14, 2001

**BOX PATENT APPLICATION**  
**COMMISSIONER FOR PATENTS**  
**Washington, D. C. 20231**

Commissioner:

Transmitted herewith for filing is the ☐ patent application,  
☐ continuation, ☒ divisional, ☐ continuation-in-part  
patent application of prior application No. 09/519,014

Inventor(s): KENJI OSE

For: SWITCH STYLE BICYCLE SHIFT CONTROL DEVICE

Enclosed are:

- ☒ 17 pages of specification, 7 pages of claims, and 1 page of abstract.  
☒ 15 sheet(s) of ☐ formal ☒ informal drawing(s), as originally filed, PLUS 15 sheets of formal drawings.  
☐ A ☐ signed ☐ unsigned Declaration & Power of Attorney.  
☒ A ☒ signed ☐ unsigned Declaration, ☐ newly executed or ☒ copy from a prior application (37 CFR 1.63(d)).  
☐ Deletion of Inventor(s): Signed statement attached deleting inventor(s) named in the prior application, 37 CFR 1.63(d)(2) and 1.33(b).  
☒ A Power of Attorney by Assignee with Certificate Under 37 C.F.R. Section 3.73(b).  
☒ A Preliminary Amendment.  
☐ Please cancel claim(s) \_\_\_\_\_.  
☐ A certified copy of the following priority document(s): \_\_\_\_\_  
☒ Information Disclosure Statement under 37 CFR 1.97 with copies of cited references.  
☒ Return Receipt Postcard (MPEP 503)  
☒ Incorporation By Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

The filing fee has been calculated as shown below:

**Fee Calculation**

	(Col. 1)	(Col. 2)
FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	4-20=	0
INDEP CLAIMS	1-3=	0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
RATE	FEE		RATE	FEE
	\$370	OR		\$740
x9=		OR	x18=	\$
x42=	\$	OR	x84=	\$
+140=	\$	OR	+280=	\$
TOTAL	\$	OR	TOTAL	\$740

\*If the difference in Col. 1 is less than zero,  
enter "0" in Col. 2

☒ A check for \$ 740 is enclosed.

Two copies of this sheet are enclosed.

Respectfully submitted,  
DELAND LAW OFFICE

James A. Deland  
James A. Deland  
Reg. No.: 31,242  
Attorney for Applicant



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VIA EXPRESS MAIL

PATENT

#13

Attorney Docket No. SIC-00-001-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Examiner: Unassigned
KENJI OSE	)	Art Unit: Unassigned
Application No.: To be assigned	)	
Filed: Herewith	)	<u>SUBMISSION OF FORMAL DRAWINGS</u>
For: SWITCH STYLE BICYCLE SHIFT CONTROL DEVICE	)	

Official Draftsperson  
Commissioner for Patents  
Washington, D.C. 20231

Official Draftsperson:

Enclosed are fifteen (15) sheets of formal drawings to be made of record in this case.

Respectfully submitted,

*James A. Deland*

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Reg. No. 31,242

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Attorney Docket No. SIC-00-001

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

Applicant: KENJI OSE

Application No.: 09/519,014 Filed: March 3, 2000

Entitled: SWITCH STYLE BICYCLE SHIFT CONTROL DEVICE

SHIMANO, INC.

(Name of Assignee)

, a JAPANESE CORPORATION

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is:

1. ☒ the assignee of the entire right, title and interest; or
2. ☐ An assignee of an undivided part interest

in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.  
OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Copies of assignments in the chain of title are attached.

☐ Additional documents in the chain of title are attached:

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

Date: June 5, 2000

Name: KOZO KITAGAWA

Title: Assistant Director, Patent and Trademark Department

Signature: Kozo Kitagawa

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Docket No. SIC-00-001

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# SWITCH STYLE BICYCLE SHIFT CONTROL DEVICE

Kenji Ose

SHIMANO, INC.

Figure 1 consists of 12 histograms arranged horizontally, labeled  $x_0$  through  $x_{11}$ . Each histogram shows the frequency of values for  $x_k$  ranging from 0 to 10. The distributions are approximately normal, centered at 5. The peak frequency (count) for each  $x_k$  is as follows:

$k$	Peak Count (at $x_k = 5$ )
0	10
1	10
2	10
3	10
4	10
5	10
6	10
7	10
8	10
9	10
10	10
11	12